



OCS, Marine Chart Division 1315 East-West Highway Silver Spring, MD 20910

December 17, 2008

FAX COVER SHEET

Page 1 of /0

Rob Jones TO:

FROM: Lyn Preston, NOS, NOAA

COMPANY: NTSB

PHONE:

PHONE:

FAX:

(301) 713-4516

Mr Jones -

Subject: Re: USCP (SF Oakland Bay Bridge)
From: "Lyn.Preston" <Lyn.Preston@noaa.gov>

Date: Wed, 12 Nov 2008 17:08:47 -0500 **To:** Jones Rob < rob.jones@ntsb.gov>

Mr. Jones:

The Navigation Services Division's Coast Pilot Branch completed the cartographic research into your question regarding the origination of the narrative text describing the passage through the San Francisco-Oakland Bay Bridge) found in paragraph 175 of Coast Pilot 7 (40th Edition).

It was determined that this information was placed into the Coast Pilot 7 volume sometime between 1963 and 1972 (between the ninth and tenth editions of CP7). It should be noted that the tenth edition of CP7 is the 1968 edition, however, the inside cover of CPB's file copy shows a reprint date of 1972. The exact wording for the paragraph in the tenth edition can be seen on the attachment CP7-1968.pdf.

After examining microfilm rolls 57, 60, 65, 72, and 96, (records from 1958 to 1975) and all supplements to Coast Pilot 7, the researcher was unable to determine what the source of the entry was. The only record of the entry was found in source material on roll 96 which noted the latest edition of chart 5532 and the San Francisco Vessel Traffic System as the source. (See CP7-Roll96-source.pdf)

The original wording found in the ninth edition is in the attachment CP7-1963.pdf.

I have attached all the researcher's findings (pdf files) to this email for your reference.

Regards,

Lyn Preston (Acting) Deputy, Marine Chart Division

Jones Rob wrote:

Lyn,

Any results yet. Thanks Rob ----Original Message----

CP7-1963.pdf Content-Type: application/x-msdownload Content-Encoding: base64

CP7-1968.pdf Content-Type: application/x-msdownload Content-Encoding: base64

CP7-Roll96-source.pdf

Content-Type:

application/x-msdownload

Content-Encoding: base64

proper the island have lighte and fog signals. A shoal covered by 15 feet, off the northerly end of the island, is marked by a buoy.

When the prevalling westerly winds are blowing, deepdraft vessels proceeding to the berthing area on the east-Era-side of the Island may have extreme difficulty making the 90° turn from the narrow channel between the 30-foot curves southeastward of Yerba Buena Island.

A measured course, on the west side of Treasure Island, is 0.102 feet long on bearing 330°44' and marked by white 10 poles with small white targets. The southern range is on the northwestern extremity of Verba Buena Island and the northern range is near the northwestern end of Treasure Island.

Waval restricted areas are off the north end of Treasure 15 Island and between this island and Verba Buena Island; limits and regulations are given in 207.640, Chapter 2.

San Francisco-Oakland Bridge crosses the bny from Rincon Point in San Francisco to Yerba Buenn Island. thence to Oakland. The clearance between plers B and 20 tables. D is 217 feet.

Prominent features.—The skyline of the city of San Francisco is, of course, historically comistalcable, with several dominant hundmarks; the old Foury Building at the foot of Market Bireet, the tower and outside elevator 25 shall of the Fairmont Hotel, the "Top of the Mark" Hopkins Hotel, the Coit Tower on Telegraph Hill, and the Bay Bridges with their freeway elevated approaches.

The Ferry Building, once the terminal of many ferrybouts, now houses the Port of San Fenneisco and its Sun 30 Francisco Port Authority offices, the offices of the Marine Exchange, Inc., and the many offices and exhibits of the World Trade Center. Located as it is in the center part of the Embarcadero, the Ferry Building with Its 240-foot clock tower. Illuminated at night, remains an outstanding 35 agement is vested in the San Francisco Fort Authority. hudmark on the San Francisco side of the barbor.

Channels.—Depths of 45 feet or more are available from the Golden Gate Bridge to most of the anchorages; dispiles ranging from 29 to 40 feet can be taken to most of the San Francisco plers.

Anchorages.—General, naval, and explosives anchorage areas have been established in San Francisco Bay; limits and regulations are given in 202.224, Chapter 2. The western part of Anchorage 7, westward of Tressure Island, is used by vessels undergoing examination by quar- 45 untine, customs, and immigration officials.

Dangers.—Anita Rock, 1.1 miles eastward of Fort Point and 800 yards from shore, unervers; it is marked by

There are several rocky patches with depths of 23 to 35 50 feet westward and northwestward of Alcatrar Island that must be avoided by deep-druft ressels.

Heavy tide rips occur in the vicinity of Alcatraz Island. Tides.—The wean range of tide at Sun Francisco is 4 feet. The range between mean lower low water and an mean higher high water is 5.7 feet. A range of about 9 feet may occur at the time of maximum tides. Daily tide predictions for San Francisco Boy are given in the Tide Tables.

Currents.—Inside the Golden Gate the flood corrent sets into all parts of the bay and gauses swirls from the Golden Gate as for eastward as Alcatras and Angel Islands and through Raccoon Strait, northward of Angel Island. The obb current, inside the Golden Gate, is felt first along the southern shore. In the Golden Gaze, the average duration of the chb stream is comewhat greater than that of the flood. In the Sacramento and San Josquin Rivers there is a weak flood current during periods of freshets.

At the San Francisco-Oakland Bridge there are large current eddles mear the foundation piers which cause ships to sheer off course.

The flow of tidal currents throughout San Francisco Buy is clearly depicted on the Tidal Current Charts, San Francisco Bay. The charts, which may be used for any year, are referred to the times of the maximum fined and obli currents at San Francisco Bay entrance (Golden Gute). Daily predictions are given in the Tidal Current

See Appendix for storm warning displays.

Towage.—Tugbesis are available in sufficient quantity for the traffic in the greater harbor.

Our spiling service is performed on a 24-hour basis, the off-hours by special arrangement in advance. Quarantine is enforced in accordance with the regulations of the U.S. Public Health Service. There is a Public Health Service Hospital in the city.

Castoms.—San Francisco is the headquarters of the customs collection district and a port of corry; marine documents are issued.

Immigration officials are stationed at Sau Francisco. Barbor regulations.—The Fort of San Francisco is under the control of the State of California, and its manin direct charge of the port director of that holy. The office of the Chief Wharfurer is on the Embarcadero at the foot of Pier 1.

The burbor regulations are prescribed by the San Fronciaco Fort Authority and enforced by the Chief Wharf-

Wharves.—The Port of San Francisco maintains extensive terminals with belt-line connections and modern cargo-handling facilities. Depths of 20 to more than 80 feet are alongside most of the piers. A complete description of wharves and piers at San Francisco may be obtrined from the Port Series, a Corps of Engineers publication.

Supplies - Fael oils, gasoline, marine hardware, and groceries may be had in any desired quantity. Fuel oil is usually delivered by barge. Water can be obtained on the wharves or by waterboat.

Repairs.—San Francisco, Oakland, and Alameda have facilities for making repairs to vessels and machinery of all kinds and sizes. The largest commercial floating drydock in San Prancisco has a length of 584 feet at the keel blocks, dear width of 100 feet, depth of 28 feet over the blocks, and lifting capacity of 22,000 tens. There are several smaller drydocks on the San Francisco side, and

marked by lighted bell buoys. Vessels are cautioned not to foul the submarine cables that extend southward from the range to the observation house on the Marina seawall.

Alcerrag Island, 25 miles eastward of the Golden Gute Bridge, is one of the leading marks in entering San Fran- 5 clico Bay. The small island is 148 feet high and has many buildings on it Alcatraz Light (37°49.6' N., 122°25.3' W.), 214 feet above the water, is shown from a gray, octagonal pyramidal tower on the southeast part of the island. Fog signals are on the extreme northwestern and 10 southeastern sads of the island. A submarine operating area is northward of Alcatras Island: see 207.640(a),

A rock awash, marked on its westerly side by a bell buoy, is 125 yards westward of the northwestern end of 15 Alcatron Island.

Druping grounds have been established south of Abertraz Island; see 205.60 (a)(1), and (b), Chapter 2, for limits and regulations.

Yerha Buenn Island, 345 feet high and 2.5 miles south- 20 onstward of Alentraz Island, is of small extent, irregularin shape, and is covered with a scrubby growth of trees. On its summit is a fermer lookout tower, now a Navy Officers Club. The plers and wherves in the small cove on the castern side of the island are part of a Coast Quard 25 Base.

Yezha Buena Light (37°48.4' N., 122°21.7' W.), 95 feet above the water, is shown from a white actagonal tower at the extreme southeastern point of the island. A fog signal is at the light, and the tower is floodlighted at 30 night. The buildings at the station are white with red

Dumping grounds have been established west of Yerbu Buena Island; see 205.60(a)(2), and (b), Chapter 2, for limits and regulations.

Treasure Island is a low filled crea northward of and connected by a causeway to Yerba Buena Island, Built originally for the San Francisco International Experision of 1989-40, it is now a U.S. Naval Station, Some of the plers around the island have lights and fog signals. A 40 shoal covered 15 feet, off the northerly end of the island, is marked by a buox.

When the prevailing westerly winds are blowing, deepdraft vessels proceeding to the berthing area on the eastern side of the island may have extreme difficulty 45 making the 90° turn from the narrow channel between the 30-foot curves southeastward of Yerba Busna Island.

A 150°43'-330°43' measured nautical mile has been established off the west side of Treasure Island. The markers are white poles with small white targets. The 50 southern range is on the northwestern extremity of Yerba Buena Island and the northern range is near the northwestern end of Treasure Island.

Naval restricted areas are of the north end of Treasure Island and between this island and Yerba Buens Island; 55 limits and regulations are given in 207.640(h) and (t), Obspier 2.

San Francisco-Oakland Bay Bridge, said to be the longest bridge in the world, crosses the bay from Rincon Point

land. The recommended passage is under the northeasterns half of span A-B (midspan elegrance 204 feet) or under the southwestern half of span D-W (midspan clearance 204 feet). The midspan clearance of spans B-C and O-P are each 220 feet. These clearances are approximate: they may be reduced by several feet due to heavy truffic or the bridge and prolonged periods of extremely-high temperature, and as much as 10 feet under extreme conditions

The Port of San Francisco, the largest port on the bay is the oldest and one of the most important on the Pacific coast. Though primarily a general cargo port, grain, built liquida, containers, newsprint, antomobiles, banands copra, cotton, and other commodifies are handled here San Francisco is the home port of passenger liners of several U.S. companies in the trans-pacific service, and it a popular port of call for other passenger vessels of regular scheduled and special cruises.

Prominent features.—The skyline of the city of Sail Francisco is unmistakable, with several dominant land marks: the old Ferry Building at the foot of Market Street, the tower and outside elevator shaft of the Fairment Hotel, the "Top of the Mark" Hopkins Hotel, the Colt Tower on Telegraph Hill, and the Bay Bridges with their freeway elevated approaches:

The Ferry Building, once the terminal of many fairs boats, now houses the Sun Francisco Port Authority offices, the offices of the Marine Exchange, Inc., and the many offices and exhibits of the World Trade Center. Located as it is in the center part of the Embarcadero the Ferry Bullding with its 240 foot clock tower, illuminated at night, remains an outstanding landmark on the Ser Francisco side of the barber.

Channels Depths of 45 feet or more are available from the Golden Gate Bridge to most of the anchorages depths ranging from 20 to 40 feet can be taken to most of the San Francisco plers,

Anchorages.—General, Naval, and explosive auchorage areas have been established in San Francisco Bay: limits and regulations are given in 110.224(a) and (a), Chapital 2. The western part of Anchorage 7, westward of Treasuri Island, is used by vessels undergoing examination is quarantine, customs, and immigration officials.

Dangers.—Anim Rock, 1.1 miles eastward of Fort Polife and 300 yards from shore, is covered 3 feet and marked by a light.

There are several rocky patches with depths of 38 ff. 35 feet westward and northwestward of Alcatraz Island that must be avoided by deep-draft vessels. The northwesternmost of these shouls is Harding Rock, marked by a lighted buoy.

The Trans-Bay Tube of the Bay Area Rapid Transit System is under construction between San Francisco, in the vicinity of the Farry Tower, and the Oakland Mole. Mariners should exercise caution in navigating in this area since various floating construction equipment might exist at the site.

Heavy tide rips occur in the vicinity of Alcatras Islands Tides.—The mean range of fide at Sun Francisco is: 4 feet The runge between menn lower low water and in San Francisco to Terba Buena Island, thence to Oak- 80 mean higher high water is 5.7 feet. A range of about F

Page 1"4

7/22/73

Lines 50-53/L: read:

S range is on the LW extremity of Yerba Buena Island and is marked by white poles with small red targets. The N range is near the LW end of Treasure Island and is marked by white roles with small white targets. (Vicual Corervations, 7/19/73)

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Lines 1-3/Riread:

land. The recommended passage for southbound traffic is under the NE half of span A-B (mid span clearance 204 feet). Northbound traffic should use the SW half of span B-E (mid span clearance ... (See lastest edition of chart 5532 and San Francisco Vessel Traffic System, ref. no. 0005.)

Subject: Re: USCP (SF Oakland Bay Bridge)
From: "Lyn.Preston" <Lyn.Preston@noas.gov>

Date: Thu, 20 Nov 2008 08:42:16 -0500 **To:** Jones Rob <rob.jones@ntsb.gov>

CC: "Thomas.Loeper" < Thomas.Loeper@noaa.gov>

Mr. Jones:

Please see my email response November 12, 2008. Shall I re-send?

Jones Rob wrote:
Any word on the information I requested.
Thanks Rob

Subject: [Fwd: Re: USCP (SF Oakland Bay Bridge)]

From: "Lyn.Preston" <Lyn.Preston@noaa.gov>

Date: Thu, 20 Nov 2008 09:52:13 -0500 To: Jones Rob <rob.jones@ntsb.gov>

Mr. Jones:

Per your request.

----- Original Message -----

Subject: Re: USCP (SF Oakland Bay Bridge)
Date: Wed, 12 Nov 2008 17:08:47 -0500

From: Lyn.Preston <Lyn.Preston@noaa.gov>

To: Jones Rob < rob.jones@ntsb.gov>
References: < EE86DD4E76D61640BA17AA34953DFDA76B15DA@hqexcntsb01.ntsb.int>

Mr. Jones:

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I have attached all the researcher's findings (pdf files) to this email for your reference.

Regards,

Lyn Preston (Acting) Deputy, Marine Chart Division

Jones Rob wrote:

Lyn,

Any results yet.
Thanks Rob
----Original Message----

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CP7-Roll96-source.pdf

Content-Type:

application/x-msdownload

Content-Encoding: base64

Subject: Re: USCP (SF Oakland Bay Bridge)

From: <Lyn.Preston@noaa.gov>

Date: Tue, 16 Dec 2008 08:43:33 -0500 **To:** Jones Rob <rob.jones@ntsb.gov>

CC: "Thomas.Loeper" <Thomas.Loeper@noaa.gov>

Rob~

I have sent you the NOAA response on many occasions. I am unsure why they are not making it to your email's INBOX? Are you operating under a firewall?

Unfortunately, I am away from the office attending a commencement in Florida at this time. I will return on Wednesday, December 18th. The materials are at my workstation. I will be glad to send the response once again, but am not confident at this point of your receiving them.

Please let me know if you receive this.

Lyn

---- Original Message -----

From: Jones Rob <rob.jones@ntsb.gov>
Date: Monday, December 15, 2008 1:08 pm
Subject: USCP (SF Oakland Bay Bridge)
To: "Lyn.Preston" <Lyn.Preston@noaa.gov>
Cc: "Thomas.Loeper" <Thomas.Loeper@noaa.gov>

Lynn,

Happy Holidays,

Still have not rovd anything from you regarding my request. I was wondering as to the status of it.

Regards Rob Jones